

The UTA Approach to Asset Management

Paul Edwards, P.E.
Senior Program Manager
Utah Transit Authority

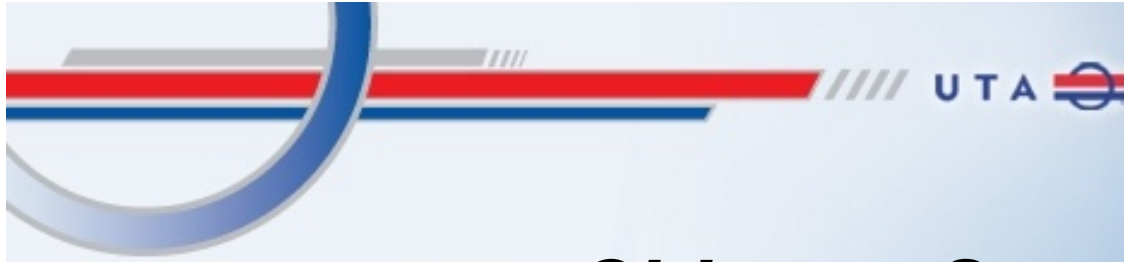
May 2, 2016

Historic Half Grand



Half Grand Re-construction 2012





Chicago Sun Times

January 22, 2015

**RTA: \$36 billion needed for mass transit
maintenance**

MTA New York

Four Year Capital Program 2015-2019

Renew & Enhance

\$26.6 billion

“Asset Management is the key to identifying problems before failures occur that can cause unplanned outages and disruptions in service. An effective Asset Management program will maintain a safe, efficient and reliable transit system for our customers and keep the public investment in a State of Good Repair.”



Achieving Balance



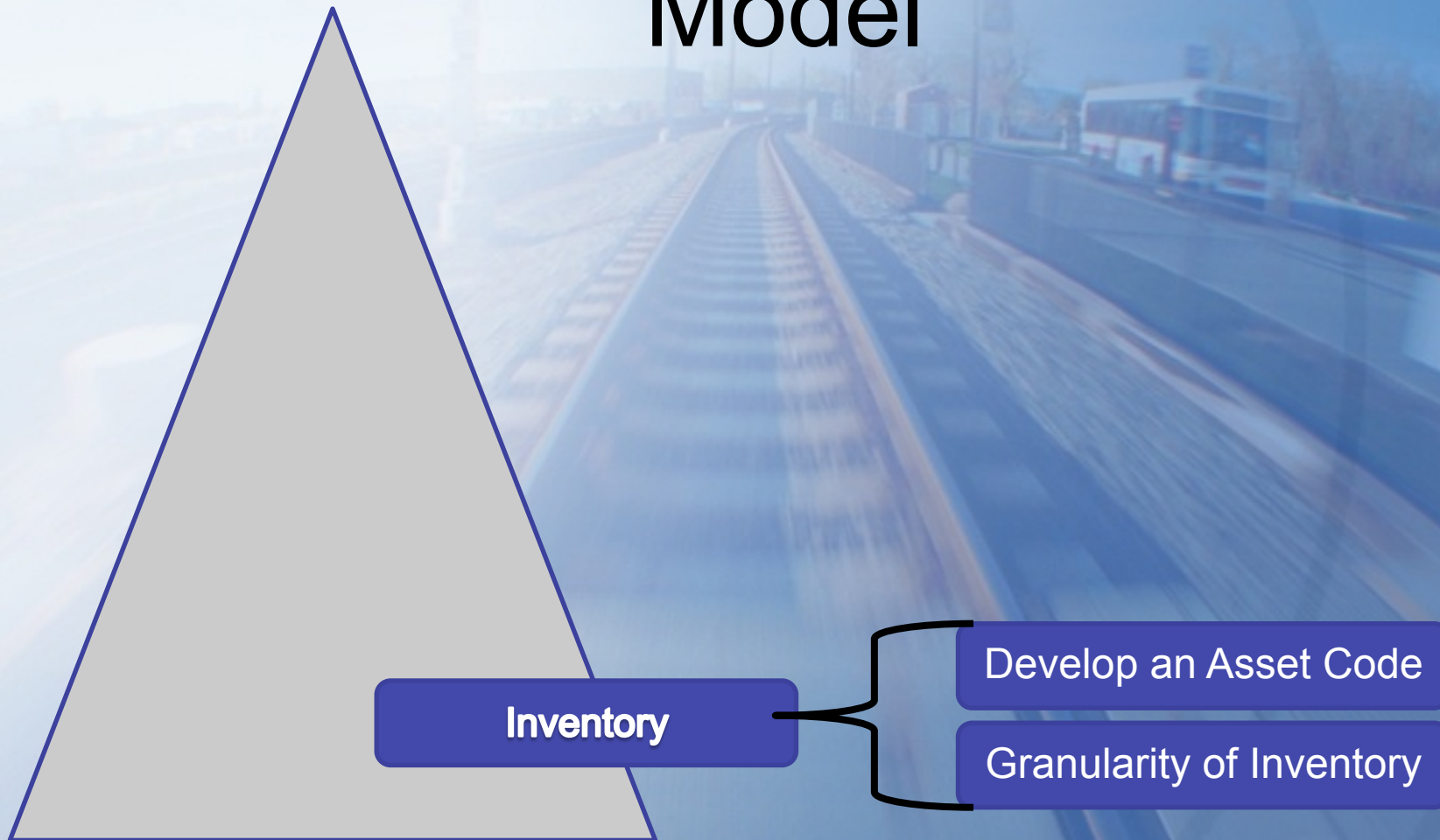
An integrated and comprehensive asset management system will provide the basis to find the balance between expansion and maintaining a State of Good Repair

UTA Asset Management System

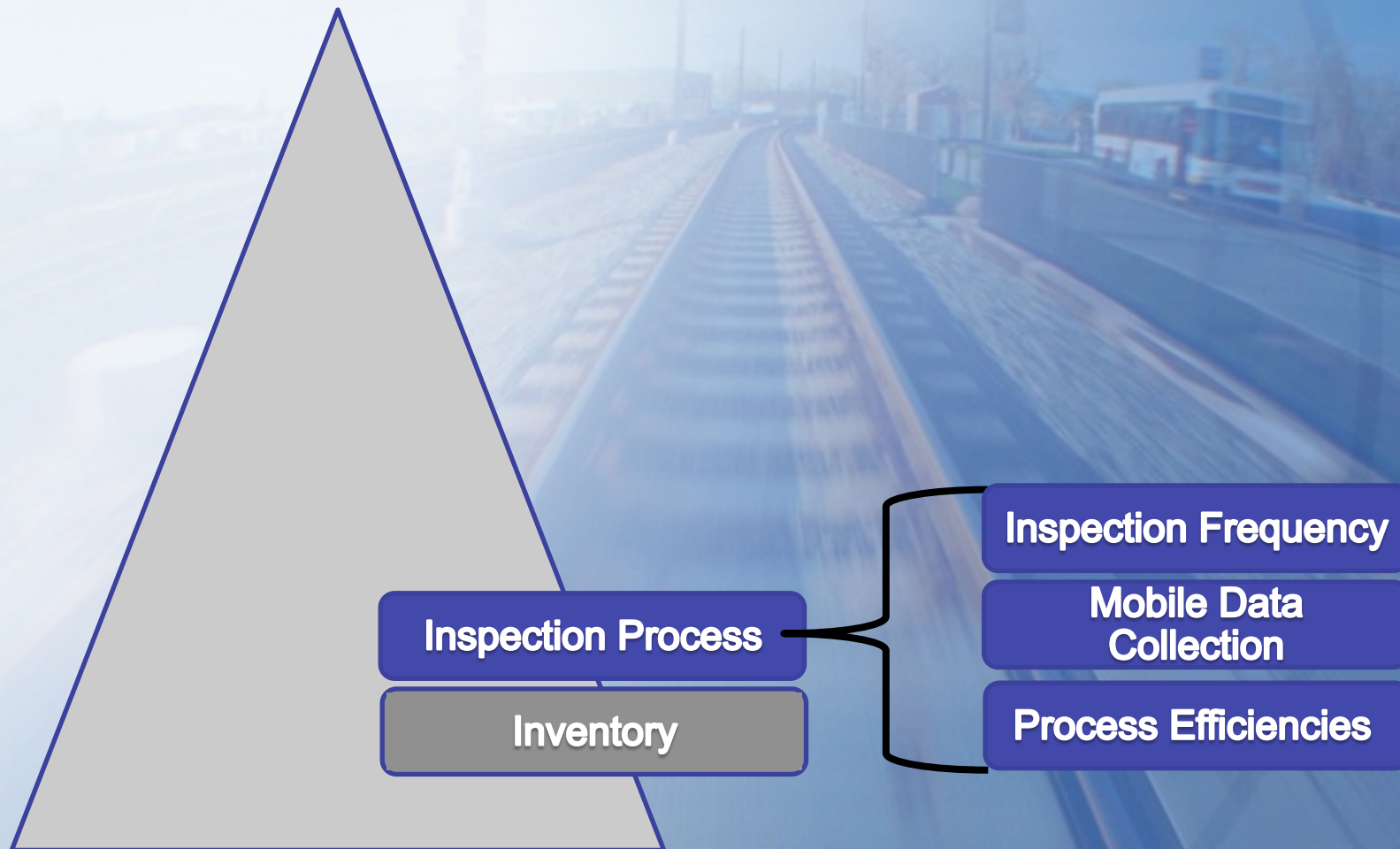


Elements of the UTA Asset Management System

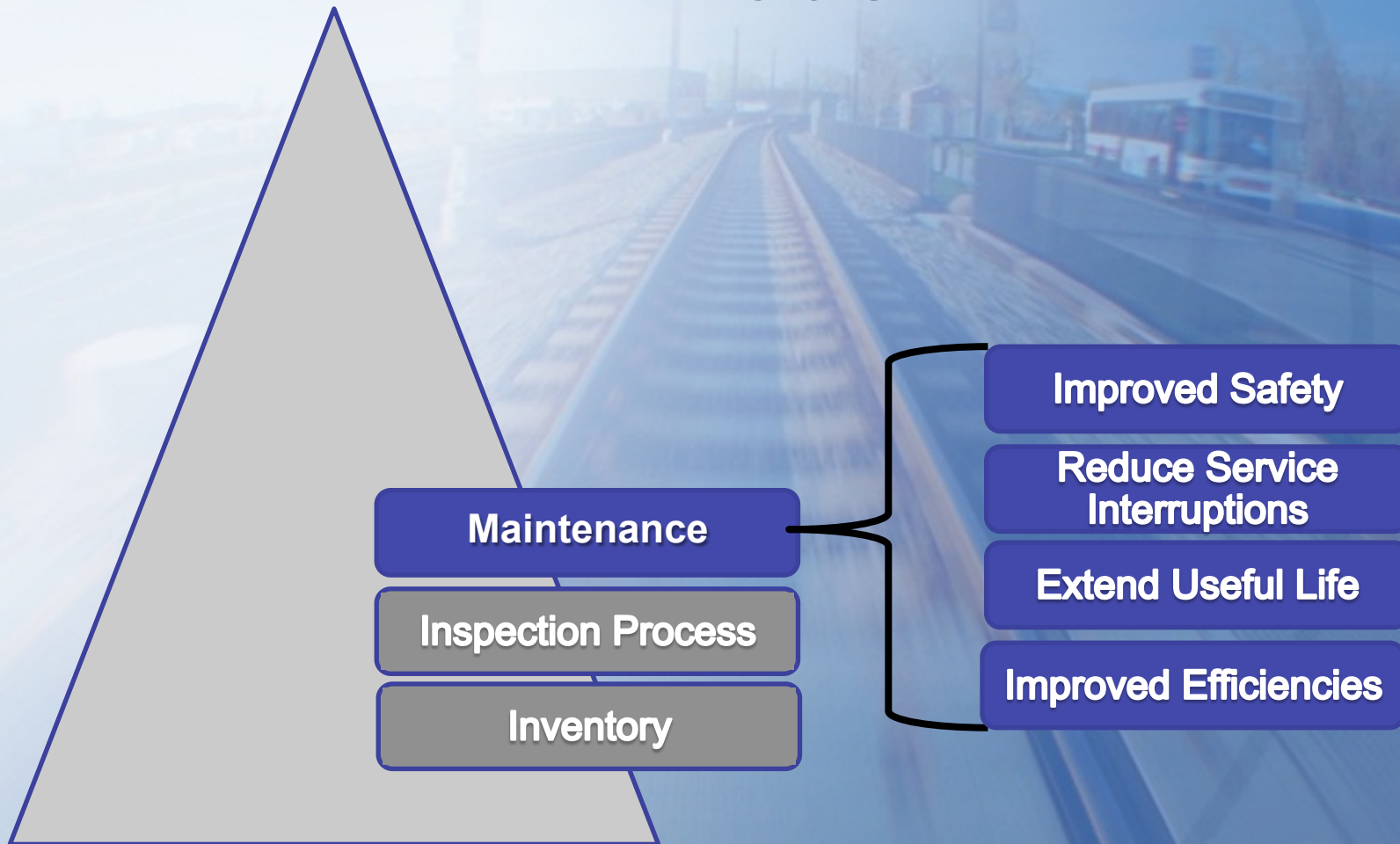
UTA/Bentley Asset Management Model



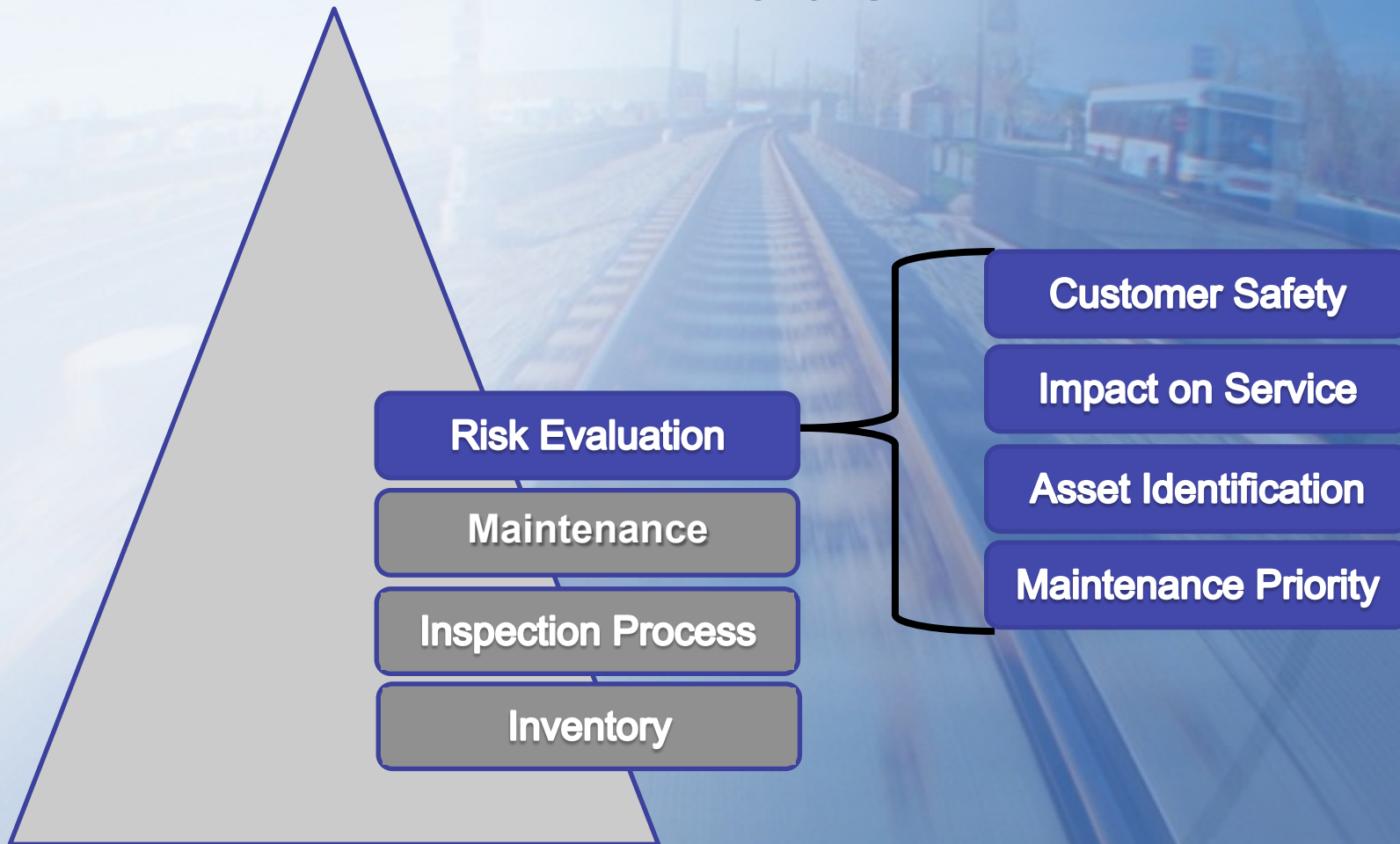
UTA/Bentley Asset Management Model



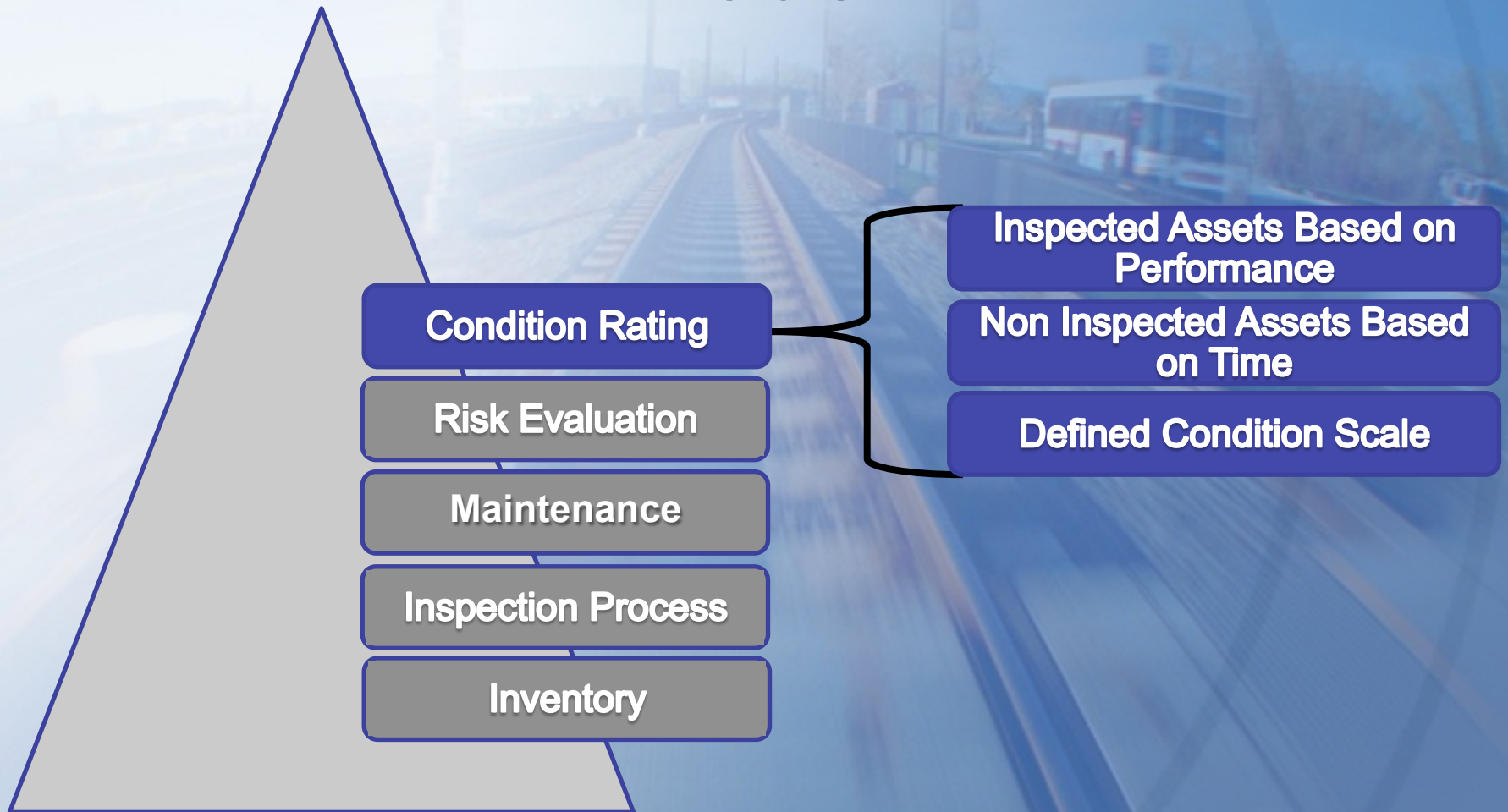
UTA/Bentley Asset Management Model



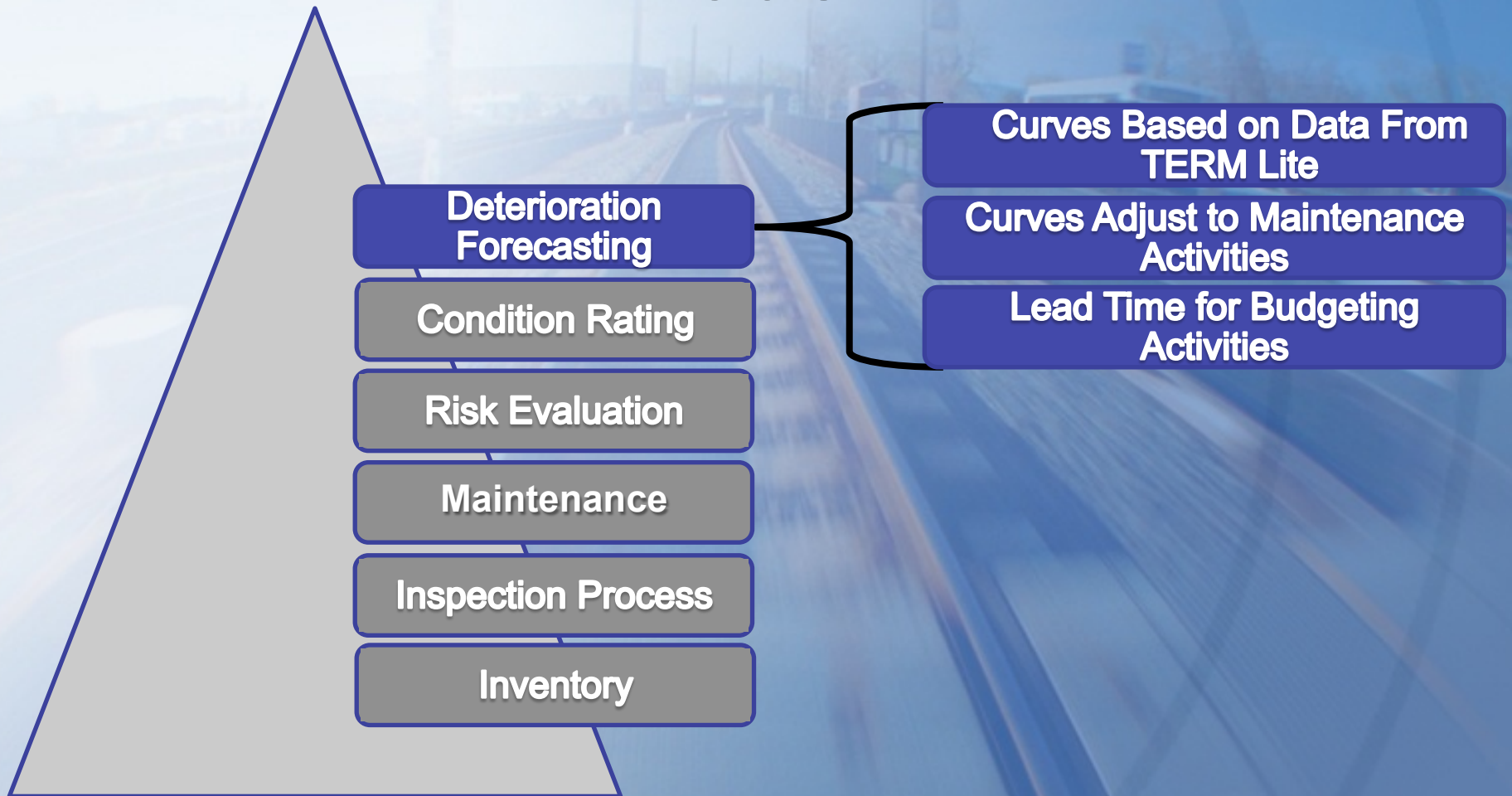
UTA/Bentley Asset Management Model



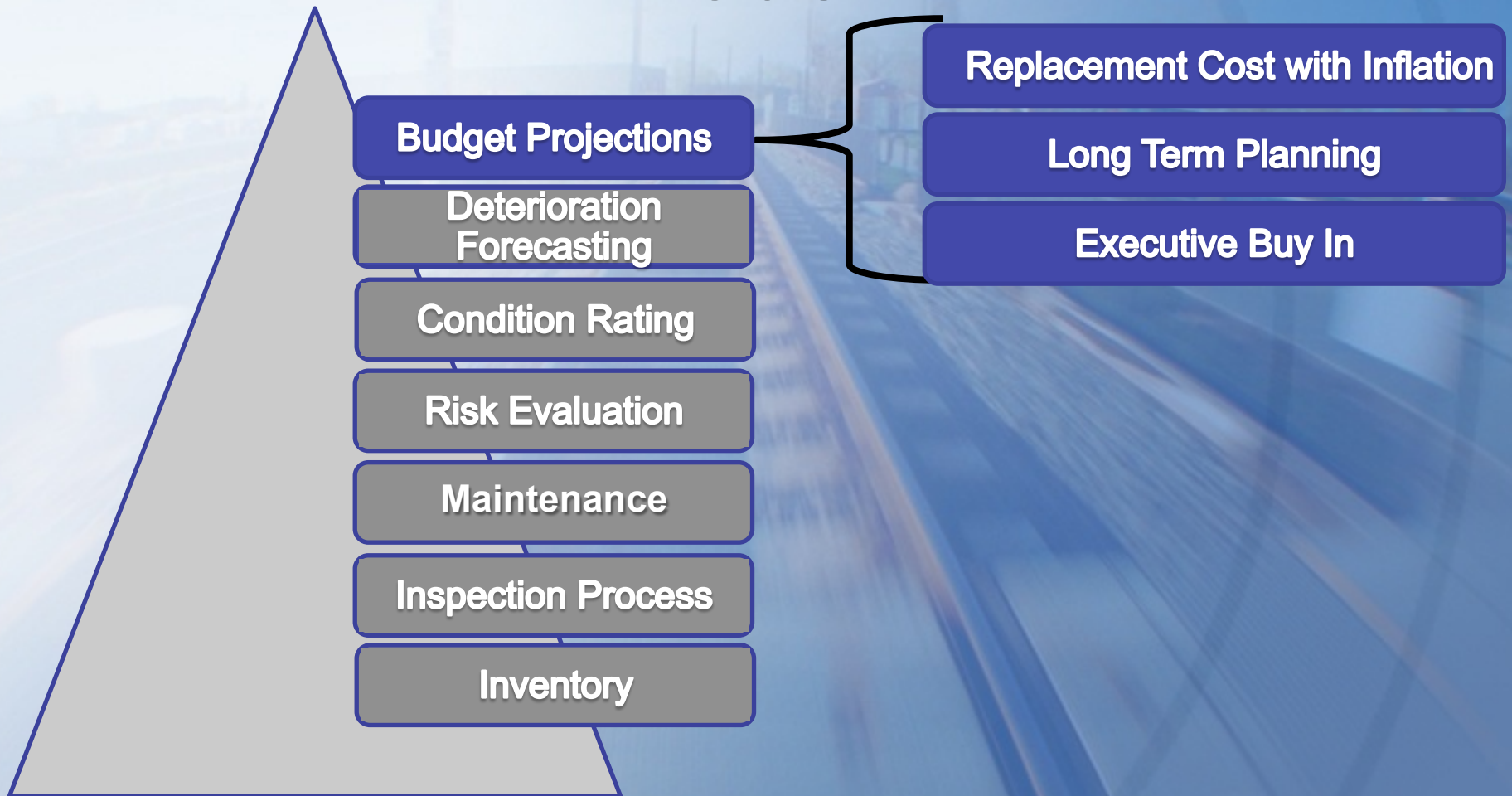
UTA/Bentley Asset Management Model

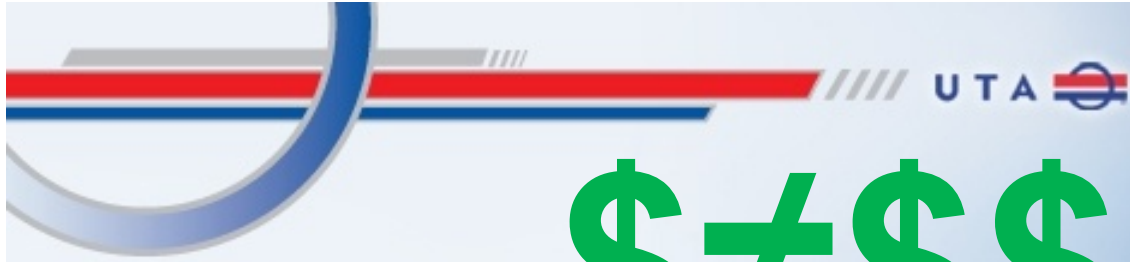


UTA/Bentley Asset Management Model



UTA/Bentley Asset Management Model





\$ ≠ \$\$\$

Green Field Construction

Infrastructure Costs

SGR Maintenance



3300 South Grade Crossing

Video provided by Stacy Witbeck, Inc.

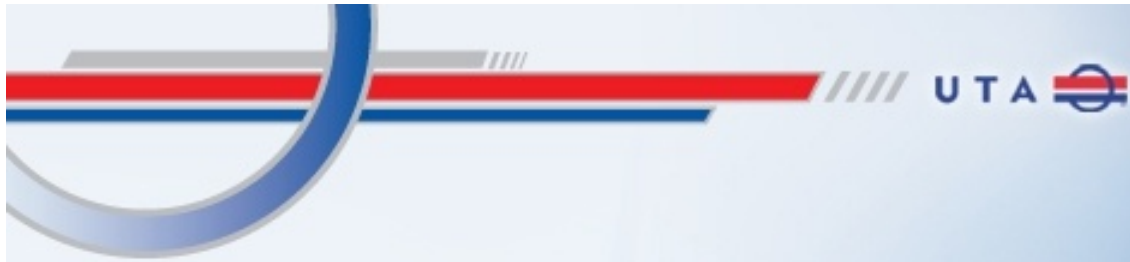


Development of a comprehensive Asset Management System is a journey not a destination. Paul Edwards



Future steps on the Journey

- Refine and improve internal processes to feed the correct data into the system
- Develop direct data connection to National Transit Database (NTD) reporting requirements
- Continue to educate internal customers on the validity of the process
- Ongoing development
 - Smart phone inspection applications
 - Tie to RFID data collection
- Create software links to mine data from other systems that will improve the accuracy of the budget projections



Questions?



Contact Information

Paul Edwards
pedwards@rideuta.com
(801) 237-1909